

**§ 164.023-1 Scope.**

This subpart contains performance requirements, acceptance tests, and production testing and inspection requirements for thread used in the construction of personal flotation devices (PFDs) approved under part 160 of this subchapter. Manufacturers must also comply with the requirements of subpart 164.019 of this chapter.

**§ 164.023-3 Specifications and standards incorporated by reference.**

(a) Certain materials are incorporated by reference into this subpart with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than the one listed in paragraph (b) of this section, notice of change must be published in the FEDERAL REGISTER and the material made available to the public. All approved material may be inspected at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC and at the U.S. Coast Guard, Lifesaving and Fire Safety Division (G-MSE-4), Washington, DC 20593-0001, and is available from the source indicated in paragraph (c) of this section.

(b) The materials approved for incorporation by reference in this subpart, and the sections affected are:

FEDERAL STANDARDS AND TEST METHOD STANDARDS

The following test methods in Federal Test Method Standard No. 191A, Textile Test Methods, July 20, 1978:

- (1) Method 4010, Length-Weight Relation; Thread; Yards Per Pound (m/kg)—164.023-11.
- (2) Method 4100, Strength and Elongation, Breaking; and Tenacity; of Thread and Yarn; Single Strand—164.023-7.
- (3) Method 5804, Weathering Resistance of Cloth; Accelerated Weathering Method—164.023-7.

## FEDERAL SPECIFICATIONS

- (4) V-T-285E—Thread, Polyester, August 21, 1986—164.023-5.
- (5) V-T-295E—Thread, Nylon, August 1, 1985—164.023-5.

## MILITARY SPECIFICATIONS

- (6) MIL-T-43548C—Thread, Polyester Core: Cotton-, Rayon-, or Polyester-Covered, September 30, 1986—164.023-5.
- (7) MIL-T-43624A—Thread, Polyester, Spun, January 22, 1982—164.023-5.

(c) All reference materials are available from the Naval Publications and Forms Center, Customer Service, Code 1052, 5801 Tabor Ave., Philadelphia, PA 19120.

[CGD 84-068, 58 FR 29497, May 20, 1993, as amended by CGD 95-072, 60 FR 50467, Sept. 29, 1995; CGD 96-041, 61 FR 50734, Sept. 27, 1996]

**§ 164.023-5 Performance; standard thread.**

(a) *Use Codes 1, 2, 3, 4BC, 4RB, 5 (any).* Each thread which complies with all of the requirements of a specification listed in table 164.023-5(a) is assigned Use Codes 1, 2, 3, 4BC, 4RB, and 5 (any).

TABLE 164.023-5(A)  
[Use codes 1, 2, 3, 4BC, 4RB, 5(any)]

Federal or military specification	Material	Type	Class	Ticket No. or size range
V-T-285E .....	Polyester .....	I or II	1	E, F, FF.
V-T-295E .....	Nylon .....	I or II	A	E, F, FF.
MIL-T-43624A .....	Polyester .....	.....	.....	24 through 12.
MIL-T-43548C .....	Polyester covered only .....	.....	.....	24 through 12.

(b) *Use Code 4B.* Each thread which meets the requirements of Federal Specifications V-T-295, Type II, Class A, number size 4, is assigned Use Code 4B.

**§ 164.023-7 Performance; non-standard thread.**

(a) *Use Codes 1, 2, 3, 4BC, 4RB, 5 (any).* Each non-standard thread which meets

all of the requirements of paragraphs (a)(1) through (a)(3) of this section is assigned Use Codes 1, 2, 3, 4BC, 4RB, and 5 (any).

(1) *Single strand breaking strength.* The thread, as received, must have a single strand breaking strength of not less than 25 N (5.7 lb.), when tested in accordance with Test Method 4100 in Federal Test Method Standard No. 191A